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CPY - ZAID

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IC - C07D311/36 ; C12D9/00 ; C12D13/00

MC - B06-A01 B12-F05 B12-G01 D05-C

M2 - [01] H4 J5 H5 M123 M113 M282 M210 M211 M231 M270 M311 M320 D120 G100

M531 H442 H443 H444 J521 H541 H542 M511 M520 M540 P526 P610 M710 M412 M902

- [02] H4 J5 H5 M123 M113 M283 M210 M211 M231 M270 M311 M320 D120 G100 M531 H442 H443 H444 J521 H541 H543 M511 M520 M540 P526 P610 M710 M412 M902

- [03] H4 J5 H5 M123 M113 M282 M210 M211 M231 M270 M311 M320 D120 G100 M531 H442 H443 H444 J521 H541 H542 M511 M520 M540 P526 P610 M710 M412 M902

PA - (ZAID) MICROBIAL CHEM RES INST

PN - JP50035393 A 19750404 DW197534 000pp

- US3973608 A 19760810 DW197634 000pp

- US3974184 A 19760810 DW197634 000pp

- CA1038317 A 19780912 DW197839 000pp

PR - JP19730085884 19730801

XIC - C07D-311/36 ; C12D-009/00 ; C12D-013/00

AB - J50035393 Novel isoflavone cpds. (I), (II) and (III): (I) (X = H; Y = OMe; Z = OH) (II) (X = OMe; Y = H; Z = OH) (III) (X = OMe; Y = OMe; Z = H) inhibiting catechol-o-methyl transferase (IV) were produced by *Actinomyces roseolus* ISP 5174. In an example, the microbe was cultured on a medium (pH 7.4) contg. soybean cake 2, glucose 1, starch 2, NaCl 0.25, CaCO₃ 0.35, CuSO₄.5H₂O 0.0005, MnCl₂.4H₂O 0.0005, and ZnSO₄.7H₂O 0.005% at 27 degrees for 5 days. The cpds. were extracted with BuOAc from the culture filtrate, concd., pptd. with petroleum ether, dissolved in Me₂CO, and fractionated by a silica gel column chromatograph. By concn. to dryness of each fraction, pale yellow (I) m.pt. 176 degrees, yellow (II), m.pt. 180 degrees, and brown (III), m.pt. 215 degrees powders were obt'd. at 58.0, 24.0 and 12.5 mg., resp., from 4 l. filtrate (IV) was inhibited at 50% by 50, 78 and 5 gamma of cpds. (I), (II) and (III), resp. The cpds. also inhibited histidine decarboxylase. The cpds. reduced the blood pressure.

IW - COMPOUND INHIBIT CATECHOL METHYL TRANSFERASE PREPARATION CULTURE ACTINOMYCES ROSEOLUS

IKW - COMPOUND INHIBIT CATECHOL METHYL TRANSFERASE PREPARATION CULTURE ACTINOMYCES ROSEOLUS

NC - 003

OPD - 1973-08-01

ORD - 1975-04-04

PAW - (ZAID) MICROBIAL CHEM RES INST

TI - Isoflavone cpd. inhibiting catechol-O-methyl transferase - prepd. by culture of *Actinomyces roseolus* ISP-5174